

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently Amended). An isolated DNA coding for a protein having an amino acid sequence that has a sequence identity of 50% or more with an amino acid sequence as shown in any one of SEQ ID NOs: 2, 4, 6, 8 or 12, and activity that transfers a glycoside to the 5 position of a flavonoid.

Claims 2-4 (Canceled).

Claim 5 (Currently Amended). A The DNA as set forth in claim 1 that codes for a protein, wherein said DNA hybridizes under conditions of 5 x SCC and 50°C with all or a portion of a nucleotide sequence that codes for an amino acid sequence as shown in any one of SEQ ID NOs: 2, 4, 6, 8 or 12, and has activity that transfers a glycoside to the 5 position of a flavonoid.

Claim 6 (Currently Amended). A vector containing a the DNA as set forth in claim 1.

Claim 7 (Currently Amended). A host transformed with a the vector as set forth in claim 6.

Claim 8 (Canceled).

Claim 9 (Currently Amended). A process for producing a protein comprising culturing a the host as set forth in claim 7, and recovering a protein having activity that transfers a glycoside to the 5 position of a flavonoid from said host.

Claim 10 (Currently Amended). A plant into which is introduced a the DNA as set forth in claim 1, or its progeny or tissue that conserve said DNA which was introduced.

Claim 11 (Previously Presented). A cut flower of the plant as set forth in claim 10 or its progeny that conserve said DNA which was introduced.

Claims 12-19 (Canceled).

Claim 20 (Currently Amended). An isolated nucleic acid molecule comprising ~~a sequence of nucleotides~~ nucleotide sequence as set forth in SEQ ID NOs: 1, 3, 5, 7 or 11, or having at least 50% a sequence identity thereto, and encoding a plant flavonoid-5-glucosyltransferase (5GT).

Claim 21 (Currently Amended). ~~An~~ The isolated nucleic acid molecule according to claim 20, wherein the plant is selected from the group consisting of Perilla, torenia, verbena and petunia.

Claims 22-39 (Canceled).

Claim 40 (Currently Amended). An isolated nucleic acid molecule comprising a ~~sequence of nucleotides fully complementary to a sequence~~ nucleotide sequence fully complementary to a nucleotide sequence as set forth in SEQ ID NOs: 1, 3, 5, 7 or 11, or having at least 50% sequence identity thereto, and encoding a plant flavonoid-5-glucosyltransferase (5GT).

Claim 41 (Currently Amended). An ~~The~~ isolated nucleic acid molecule according to claim 40, wherein the plant is selected from the group consisting of Perilla, torenia, verbena and petunia.

Claim 42 (Canceled).